CLAIMS

What is claimed is:

1. An electric power steering system for a vehicle comprising:

a hand wheel in operable communication with a shaft;
a motor in mechanical communication with said shaft; and
a non-compliant torque sensor located at said shaft and located
between about a midpoint along said shaft and an upper end of said shaft.

- 2. The electric power steering system in claim 1 wherein said shaft comprises a single shaft.
- 3. The electric power steering system in claim 1 further comprising a single cast housing.
- 4. A steering column for a vehicle comprising:
 a shaft controlled by a hand wheel;
 a gear assembly in mechanical communication with said shaft;
 a motor in mechanical communication with said gear assembly;
 a controller in operable communication with said motor;
 a non-compliant torque sensor located at said shaft and located
 between about a midpoint along said shaft and an upper end of said shaft; and
 a position sensor in electronic communication with said
 controller and connected to a bracket switch mounting.
- 5. The steering column in claim 4 wherein said shaft comprising a single shaft.
- 6. The steering column in claim 4 wherein said gear assembly comprises a worm and a worm gear.
- 7. The steering column in claim 4 further comprises a single cast housing.

8. The steering column in claim 4 comprises a housing wherein a bracket connects to a jacket.

- 9. The steering column in claim 7 wherein said controller is mounted on a face of said housing adjacent to said hand wheel.
- 10. The steering column in claim 7 wherein said noncompliant torque sensor is directly connected to said controller through a connection pathway in said housing.
- 11. The steering column in claim 4 wherein said non-compliant torque sensor is connected to said controller through a plug.
- 12. The steering column in claim 4 wherein said controller is a column electronics module.
- 13. A steering column for a vehicle comprising:
 an upper shaft controlled by a hand wheel;
 a lower shaft connected to said upper shaft by a torsion bar;
 a gear assembly in mechanical communication with said lower shaft;

a motor in mechanical communication with said gear assembly;
a controller in electronic communication with said motor;
a non-compliant torque sensor located at said upper shaft
between said connection of said upper shaft and said torsion bar and an upper
end of said upper shaft; and

a position sensor in electronic communication with said controller.

- 14. The steering column in claim 13 wherein said gear assembly comprises a worm and a worm gear.
- 15. The steering column in claim 13 wherein said worm and said worm gear are housed in a worm gear housing.

- 16. The steering column in claim 13 further comprising a housing wherein a bracket connects to a jacket.
- 17. The steering column in claim 16 wherein said controller is mounted at a face of said housing adjacent to said hand wheel.
- 18. The steering column in claim 13 wherein said noncompliant torque sensor is directly connected to said controller through a connection pathway in said housing.
- 19. The steering column in claim 13 wherein said non-compliant torque sensor is connected to said controller by a plug.
- 20. The steering column in claim 13 wherein said controller is a column electronics module.